Konica

Digital Revio
KD-300Z

3.34-megapixel CCD, optical 2x zoom

Aesthetically pleasing digital camera

Digital Revio
KD-300Z

Advanced optical and digital technologies, and numerous functions in a compact body

The Digital Revio KD-300Z fits a 3.34-megapixel high-resolution CCD, 2x optical zoom, 2x digital zoom, Macro Mode, and numerous other features into an ultra compact body.
Superb photographic quality and the enjoyment of digital: A host of functions packed into a slim body

Image taken with Digital Revio KD-300Z in Macro mode, TIFF-RGB (without compression), 2048 x 1536 pixels

3.34-megapixel CCD for ultra high quality images, and high-performance optical 2x zoom lens

■ High-performance 2x optical zoom maximizes the power of the 3.34-megapixel CCD

The Digital Revio KD-300Z is equipped with 7.8~15.6mm (equivalent to 38~76mm in a 35mm camera) 2x zoom lens. The lens system incorporates 7 elements in 6 groups, including 3 aspherical elements. All lenses have been multicoated to maximize optical performance, achieving a high central resolution of more than 200 lines/mm. This high-performance lens configuration makes full use of the 3.34-megapixel CCD's power. Moreover, by using the 2x optical zoom in conjunction with the 2x digital zoom, the Digital Revio KD-300Z can achieve up to 4x zoom power.

* Playback scenes can be enlarged to double size, so you won't miss the best parts.
* Digital zoom cannot be used with images recorded in TIFF-RGB or movie formats. Image quality is set to Normal automatically when digital zoom is used.

■ Ultra high resolution 3.34-megapixel CCD for superior color reproduction

A large number of pixels is required in order to express the beauty of images when printed as large photos. The Digital Revio KD-300Z comes with a 1/1.8-inch square 3.34-megapixel CCD (3.24 million effective pixels). And since it is a primary-color CCD, the colors of the subject are faithfully preserved. Moreover, leading-edge image processing technologies are used to process CCD data in order to maximize image quality, thus guaranteeing high resolution, with delicate gradation and high detail never seen before.

Features beauty and ease of use in an ultracompact body

■ High-class design using metal in the front and back

n addition to being small (87 x 55 x 30mm) and light (165g), the camera looks fantastic. Strong but sophisticated, a stainless steel alloy is used for the body of the Digital Revio KD-300Z. We also emphasized delicate contours so the camera fits neatly into the hands when taking photos. And to protect the precious lens, we employ a lens cover that automatically opens and shuts as the lens is used.

Automatic functions and a range of modes ensure both ease of use and expressive power

Three metering methods allow selection according to the desired result.

By using an external SPD-based metering method in conjunction with CCD image multiple-portion metering, the ideal exposure is determined based on Konica's original computing program. As a result, you can achieve natural, beautiful, high-quality photos even in difficult conditions, such as backlight and low-contrast situations. You can also choose center-weighted or spot metering for ideal exposure setting according to the result you want to achieve.

Highly accurate focus technology, enabling photographs from 6cm away

By quickly analyzing information in the high-resolution CCD and moving the lens to the ideal position using step-control programming, the camera can focus with incredible speed and precision. It also has a Focus Lock function, which prevents the camera from focusing on the background at the expense of human subjects, as well as Constant AF mode, which moves the lens continuously so that no photo opportunity is missed. Other functions include Macro mode, which allows close-ups of wildflowers and even important business documents, from as close as 6cm (wide). You can even choose manual focus.

The Full Auto mode enables you to take beautiful shots at the push of a button.

Focus, exposure, white balance, and flash. All are fully automatic, for maximum simplicity and peace of mind. Of course, you can e-mail your images or upload them to your website.

Auto White Balance for faithful color reproduction

White Balance, which distinguishes "white" color with high precision, is necessary to faithfully reproduce colors as the human eye sees them. The Digital Revio KD-300Z analyzes each and every detailed piece of information in the image and, using Konica's original algorithms, determines the "white" standard of the subject with high accuracy. As a result, the ideal color mix for the subject is reproduced in all types of scenes. In addition, there are five Auto White Balance settings, including tungsten and fluorescent light. You can also select the Preset setting.

Tungsten light setting example

Daylight setting example

Ease of operation, even for novices

Graphic display of multiple modes on the TFT color LCD monitor

A wide range of information is displayed on the TFT color LCD monitor, including number of recordable frames, modes selected and image quality mode. You can use the monitor as a viewfinder when in Macro or other modes. And you can do on-the-spot checks of still and moving pictures you have taken. Mode settings are also simple. Just push the cross-shaped selection button and the confirmation button while watching the LCD monitor. Modes that are used often, such as Flash ON/OFF, Macro Photo, and Long-Distance, can be easily switched using a separate button.

Quick responsiveness for smooth operation

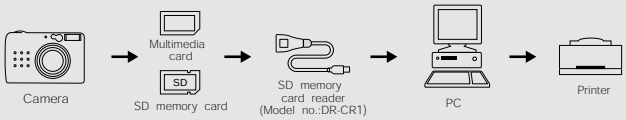
The auto-focus function has been greatly accelerated owing to the shorter shutter release time lag, which is less than 0.1 second when the shutter button is pressed halfway. The time taken until the shutter button is pressed halfway is less than 0.5 second. Thanks to our original system LSI and algorithms, image processing time has been speeded up, for smoother picture-taking operation.

Providing a user-friendly environment

Compatible with SD memory card and Multimedia card, allowing speedy transfer to a personal computer

In addition to a Multimedia card, the camera is compatible with the SD memory card, which is rapidly gaining popularity as a key 21st-century multimedia device. Ultracompact, ultralight, fast, and highly reliable, the SD memory card is a new-generation media device for handling large volumes of data. By using a card reader, you can transfer your data to a PC at high speed.

Correlation between camera, Multimedia card, SD memory card, card reader, PC, and printer



Rechargeable lithium-ion battery

Attach the included AC adapter to the camera to recharge the battery. One recharge can produce around 140 frames of images (with LCD monitor on), or around 50 minutes of moving pictures. The Digital Revio KD-300Z is extremely environmentally friendly.

All the features you need for your creative imagination.

Achieve up to 4x zoom power using the optical 2x zoom in conjunction with the digital 2x zoom.

Standard

Optical 2x zoom

Optical 2x zoom + Digital 2x zoom

Multiple function modes, so you can capture scenes as you see them.

● **Macro Mode** : This mode is useful for capturing small objects, such as flowers and jewelry. With this mode, you can place the lens as close as 6cm from the subject, capturing an area as small as 5.6x4.2cm.

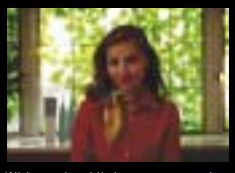
● **Color Mode** : In addition to regular color photography, you can add a touch of nostalgia with the Color Mode (choose between sepia and monochrome). This is part of the magic of digital.

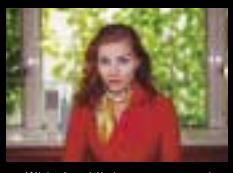
● **Long Exposure Mode** : Use this mode when you want to capture the beauty of twilight and night shots. Distant scenes that the flash cannot reach can be beautifully recorded using the slow shutter.

Aperture F2.8

Aperture F6.2

● **AE Mode (aperture-priority)** : When taking wide-angle photos, set the aperture to F2.8 or F6.2, and the shutter speed will automatically be set to suit the subject. This enables you to capture a multitude of scenes, including portraits with out-of-focus backgrounds and scenes with a depth of focus.


Without backlight compensation


With backlight compensation

● **Flash Modes** : There are 4 flash modes: Flash ON (where you intentionally use the flash to compensate for excessive back lighting), Auto Flash, Flash OFF, and Red-Eye Reduction Auto Flash

Underexposed

Correctly Exposed

Overexposed

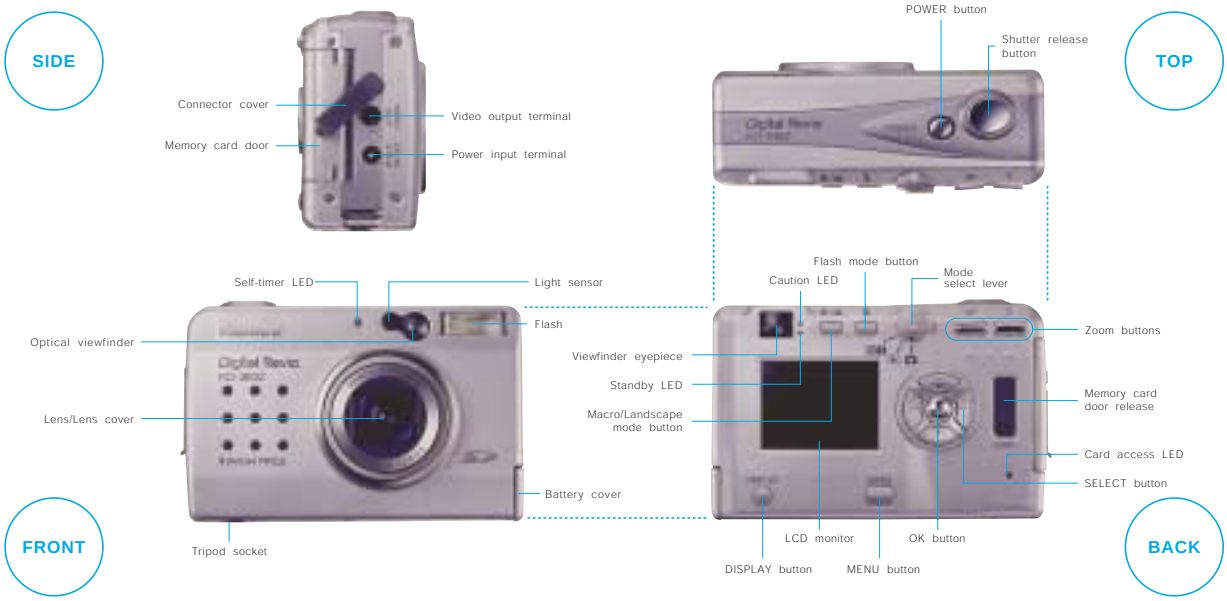
● **Exposure Compensation Mode** : Use this mode when you want to alter the brightness slightly. By making the overall image lighter or darker, you get the effect you want.

● **Landscape Mode** : This helps you capture long-distance scenes in sharp focus across the entire frame.

Movies up to 15 seconds

Set the camera to Movie Mode and push the shutter to start filming. Push it again to stop. It's that simple. The optical zoom can also be used during filming, so you can zoom in and out as you please. Maximum recording time per shot is 15 seconds. And thanks to the AVI format, you can also play back the movie on your PC.

* Installation of QuickTime (version 4.1 or later) required.



Dimensions: 87(W) x 55(H)x 30(D) mm (without protruding); Weight: 165g (excluding battery and recording medium)

Major Specifications of the Digital Revio KD-300Z

Type	Digital still camera with image record, playback, and erase functions
Recording medium	SD memory card/Multimedia card
Recording images (using 16MB SD memory card and in same mode)(Note 1)	TIFF-RGB: 2048 x 1536 pixels, Approx. 1 shot Super Fine: 2048 x 1536 pixels, Approx. 7 - 9 shots Fine: 2048 x 1536 pixels, Approx. 15-19 shots Economy: 1024 x 768 pixels, Approx. 54 - 64 shots Movie (up to 15 sec./shot): 320 x 240 pixels, Approx. 3 shots
File type	Still: JPEG-compatible (Exif Ver2.1); DPOF-compatible (Note 2); Movies: AVI (Motion JPEG-compatible)
Image format	Design rule for Camera File system (DCF) (Note 3)
Imaging elements	1/1.8-inch, 3.34-megapixel, primary-color CCD (3.24 million effective pixels)
Lens	Konica zoom lens (7 elements in 6 groups); Focal length: f= 7.8 - 15.6mm (equivalent to 38 - 76mm on 35mm-film camera); Brightness: F2.8 (wide) - 3.5 (telephoto)

Focus adjustment	CCD image (shooting auto-focus; routine auto-focus)
Recording range	Approx. 6cm - ∞ (6 - 90cm (wide end); 35 - 90cm (telephoto) in Macro mode)
Exposure control	Control method: Program AE; aperture-priority AE mode; Photometry method: Selection of 3 modes: CCD image multiple-portion evaluation photometry (default), center-weighted photometry, and spot photometry
White balance	Auto, Preset, Daylight, Tungsten Lamp, Cloudy, Fluorescent Light
Shutter	Mechanical shutter working together with CCD electronic shutter
Shutter speed	1 - 1/2000sec. (2sec., 4sec., or 8sec. when set to Long Exposure mode)
Viewfinder	Optical real-image viewfinder
Recording modes	Single/Self-timer (10sec., 2sec.)/ Macro/landscape/Color mode (color, black-and-white, sepia) /digital zoom (x1.3, x1.6, x2.0), aperture-priority (Program, F2.8, F6.2), Focus (AF, MF), Sensitivity (normal, x2, x4), Movie (320 x 240 pixels)

Flash	Built-in auto-adjusting flash (Auto flash, Red-eye reduction auto flash, Flash ON, Flash OFF); Range: Approx. 0.9 - 2.5m (Wide); approx. 0.9 - 2m (Telephoto)
Playback	Frame-by-frame, Close-up playback (x2), Movie playback, Multiple-frame, Slide-show playback
LCD monitor	1.5-inch, 110,000-pixel, low-temperature polysilicon TFT color LCD monitor
Input/output terminals	Video output (NTSC/PAL); AC adapter power source input
Power supplies	Dedicated lithium-ion battery pack (3.6V), dedicated AC adapter
Battery life (standard) (Note 4)	Approx. 140 images (with LCD monitor on) Approx. 170 images (with LCD monitor off) Approx. 50 images (continuous playback)
Dimensions	87 (W) x 55 (H) x 30 (D) mm (3.4 x 2.2 x 1.2 inches) (without LCD protruding)
Weight	165g (5.6oz.) (without battery and recording medium)

Standards package: Strap, 16MB Multimedia card, Video cable, AC adapter, lithium-ion battery pack, Case, CD-ROM, USB cable, SD memory card reader

Optional accessories: Lithium-ion battery pack Model no.: DR-LB1

Note 1: Number of recordable images depends on subject and type of memory card.
Note 2: "DPOF" is the abbreviation of "Digital Print Order Format," established by Canon, Kodak, Fuji Film, and Matsushita Electric Industrial. It is a standard for recording specified information in the recording medium, including images to print and recordable images.
Note 3: "DCF" is the abbreviation of "Design rule for Camera File system," a standard of the Japan Electronics and Information Technology Industries Association (JEITA). DCF is a standard for facilitating use of digital camera image files between related hardware.
Note 4: Based on Konica's measurement standards

PC operating requirements for SD memory card reader (DR-CR1): **Windows:** OS: Microsoft Windows 98, Windows 98SE, Windows 2000 Professional, Windows ME (pre-installed); Memory: 16MB RAM or higher (32MB or higher recommended); Display: 32,000 colors or more; 640 x 480 pixel resolution or higher; Other: CD-ROM drive, USB port; **Macintosh:** OS: Mac OS8.6/9.1/X (USB version 1.33f2 or later); CPU: PowerPC; Memory: 16MB RAM or higher (32MB or higher recommended); Display: 32,000 colors or more; 640 x 480 pixel resolution or higher; Other: CD-ROM drive, USB port ● Windows 98, Windows 98SE, Windows 2000 Professional, and Windows ME are registered trademarks of Microsoft Corporation in the United States and other countries. ● Macintosh, Mac OS, QuickTime, and PowerPC are registered trademarks of Apple Inc. in the United States and other countries. ● The SD logo is a trademark. ● Other company names and product names are trademarks or registered trademarks of their respective holders.

Digital Revio
KD-200Z
2.11-megapixel CCD; optical 3x zoom

Safety tip: Before using this product, please read the enclosed manual. Operate according to instructions.
Note: Performance is based on Konica test results.
Specifications and appearance are subject to change without notice.
All information in this brochure is accurate as of June 2001.

KONICA CORPORATION No 26-2, Nishishinjuku 1-chome, Shinjuku-ku,Tokyo163-0512, Japan
Camera & Digital Imaging Division Tel: 81-426-60-9850

L85 0106-T-30T1 Printed in Japan